

IFW



Patent PCT/JP2005/019114
Attorney Docket No. 4447

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Yasuzo Tanaka, Masao Murata)	
	Junpei Yuyama, Hiroshi Koshina)	
	Hiroto Uchida, Koji Hane)	Art Unit (not assigned)
	Takanori Tsuji, Mitsuru Yahagi)	PCT/JP2005/019114
)	
Application No.:	10/586,064)	
)	
Filed:	July 14, 2006)	
)	
For:	SPACER FORMING METHOD AND)	
	SPACER FORMING APPARATUS)	

Pittsburgh, Pennsylvania

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with Rules 56, 97 and 98 of the Rules of Practice in Patent Cases, this Information Disclosure Statement provides citations relating to the captioned application. Applicants hereby request the Examiner to review and make an independent evaluation of each listed citation.

There are 13 Japanese prior art references, which are listed on the attached PTO-1449 Form and copies of all citations listed are enclosed.

JP2004-170537A corresponds to US Patent No. 7,061,568 B2.

JP2004-94194A corresponds to US Patent Application Publication No.
US2004/0069364A1.

JP2004-109856A corresponds to US Patent Application Publication No.
US2004/0095545A1.

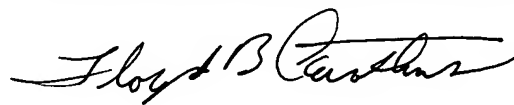
JP2001-83528A corresponds to US Patent No. 6,501,527 B1.

In addition to the accompanying citations, Applicants, and/or the undersigned attorney may have seen or considered other information relating to the subject invention; however, it is their best present recollection and judgement that they have not seen or considered any such other information which is material to the examination and/or patentability of the captioned application.

This Information Disclosure Statement is being filed solely for the purpose of compliance with the above-identified rules and is not intended to be a substitute for either an independent evaluation of the cited information by the Examiner or an independent search by the Examiner and no representation of any nature is made or intended by this statement.

Respectfully submitted,

CAROTHERS AND CAROTHERS

A handwritten signature in black ink, appearing to read "Floyd B. Carothers", written in a cursive style.

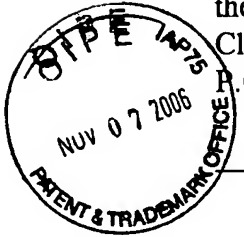
Floyd B. Carothers

Reg. No. 242,252
(412) 471-3575
(412) 281-2180 (fax)

I hereby certify that this correspondence is being deposited with
the United States Postal Service with sufficient postage as First
Class Mail in an envelope addressed to: Commissioner for Patents,
P.O. Box 1450, Alexandria, VA 22313-1450, on Nov 3, 2006

CAROTHERS AND CAROTHERS

Jan L. Carothers



4447

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

~~Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.~~

Substitute for form 1449, PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	2	of	3
-------	---	----	---

Complete if Known

Application Number	10/586,064
Filing Date	July 14, 2006
First Named Inventor	Yasuzo Tanaka et al
Art Unit	
Examiner Name	
Attorney Docket Number	4447

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

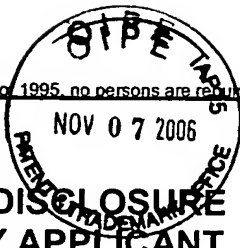
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		JP2004-94194A	03-25-04	Seiko Epson Corp.		
		JP2004-109856A	04-08-04	Seiko Epson Corp.		
		JP2004-145090A	05-20-04	Seiko Epson Corp.		
JP		JP2004-145088A	05-20-04	Seiko Epson Corp.		
		JP11-24083A	01-29-99	Asahi Glass Co., Ltd.		

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 3 of 3

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Complete if Known

Application Number	10/586,064
Filing Date	July 14, 2006
First Named Inventor	Yasuzo Tanaka et al.
Art Unit	
Examiner Name	
Attorney Docket Number	4447

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		JP2003-270640A	09-25-03	Seiko Epson Corp.		
		JP2001-83528A	03-30-01	Canon Kabushiki Kaisha		
		JP2003-91010A	03-28-03	Seiko Epson Corp.		

Examiner
Signature

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.